



(12) **United States Patent**  
**Plehn**

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(54) **INBRED CORN LINE SMA12BM**

(56) **References Cited**

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U.S. PATENT DOCUMENTS

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5,523,520 A 6/1996 Hunsperger et al.  
6,025,547 A 2/2000 Stucker  
6,096,953 A 8/2000 Hoffbeck  
7,635,808 B1 \* 12/2009 Maves ..... A01H 5/10  
435/412

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OTHER PUBLICATIONS

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patent is extended or adjusted under 35  
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Allard, In Principles of Plant Breeding, John Wiley & Sons, Inc. pp.  
155-156, 1960.  
Phillips, et al., In Corn and Corn Improvement, ASA Monograph  
No. 18, 3rd edition, pp. 345, 358, 1988.  
Eshed, et al., Genetics (1996), vol. 143, pp. 1807-1817.  
Kraft, et al., Theoretical Applied Genetics (2000), vol. 101, pp.  
323-326.  
Murray, et al., Proceedings of the 43rd Annual Corn and Sorghum  
Industry Research Conference, vol. 43, p. 72-87, 1988.

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\* cited by examiner

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(57) **ABSTRACT**

(51) **Int. Cl.**

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**A01H 1/02** (2006.01)  
**C12N 5/04** (2006.01)

An inbred corn line, designated SMA12BM, the plants and  
seeds of the inbred corn line SMA12BM, methods for  
producing a corn plant, either inbred or hybrid, produced by  
crossing the inbred corn line SMA12BM with itself or with  
another corn plant, and hybrid corn seeds and plants pro-  
duced by crossing the inbred line SMA12BM with another  
corn line or plant and to methods for producing a corn plant  
containing in its genetic material one or more transgenes and  
to the transgenic corn plants produced by that method. This  
invention also relates to inbred corn lines derived from  
inbred corn line SMA12BM, to methods for producing other  
inbred corn lines derived from inbred corn line SMA12BM  
and to the inbred corn lines derived by the use of those  
methods.

(52) **U.S. Cl.**

CPC ..... **A01H 5/10** (2013.01); **A01H 1/02**  
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**23 Claims, No Drawings**

(58) **Field of Classification Search**

None

See application file for complete search history.